

FIGURE 1

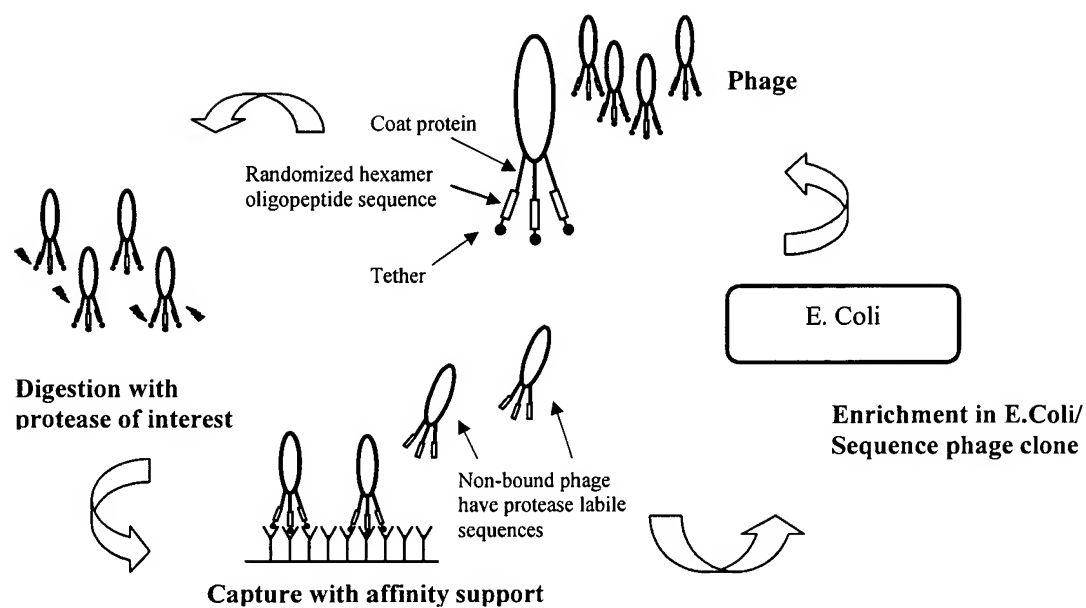


FIGURE 2

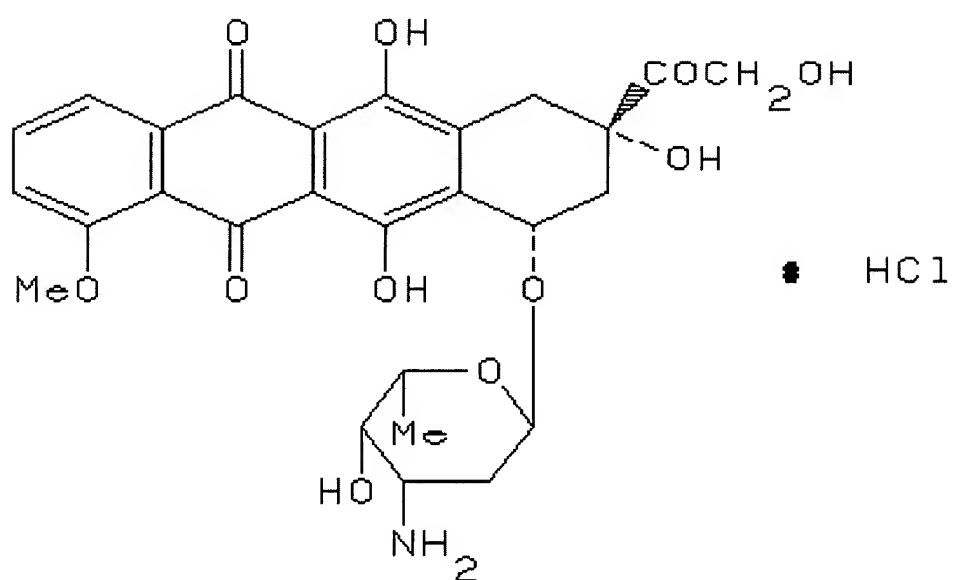


FIGURE 3

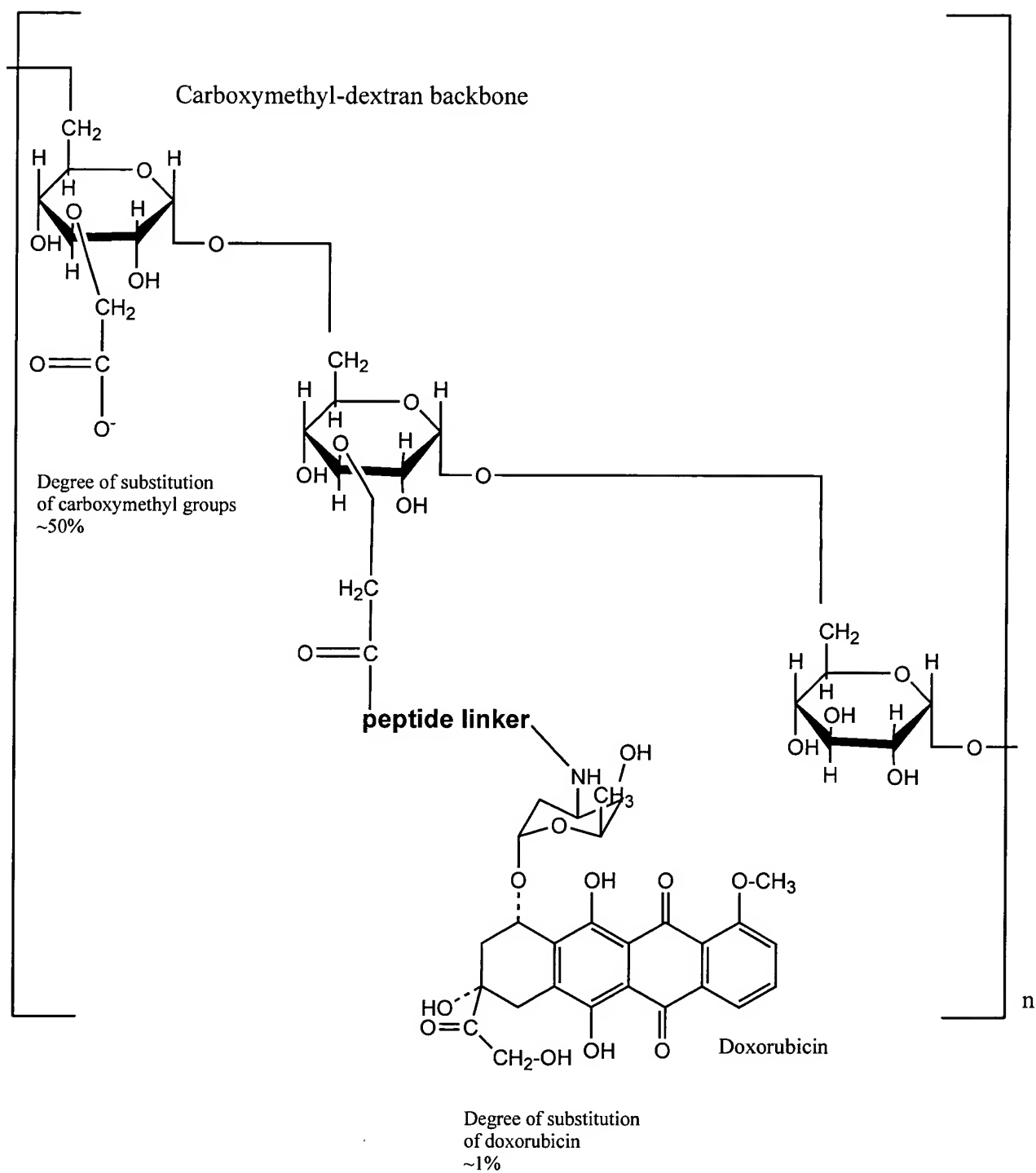


FIGURE 4

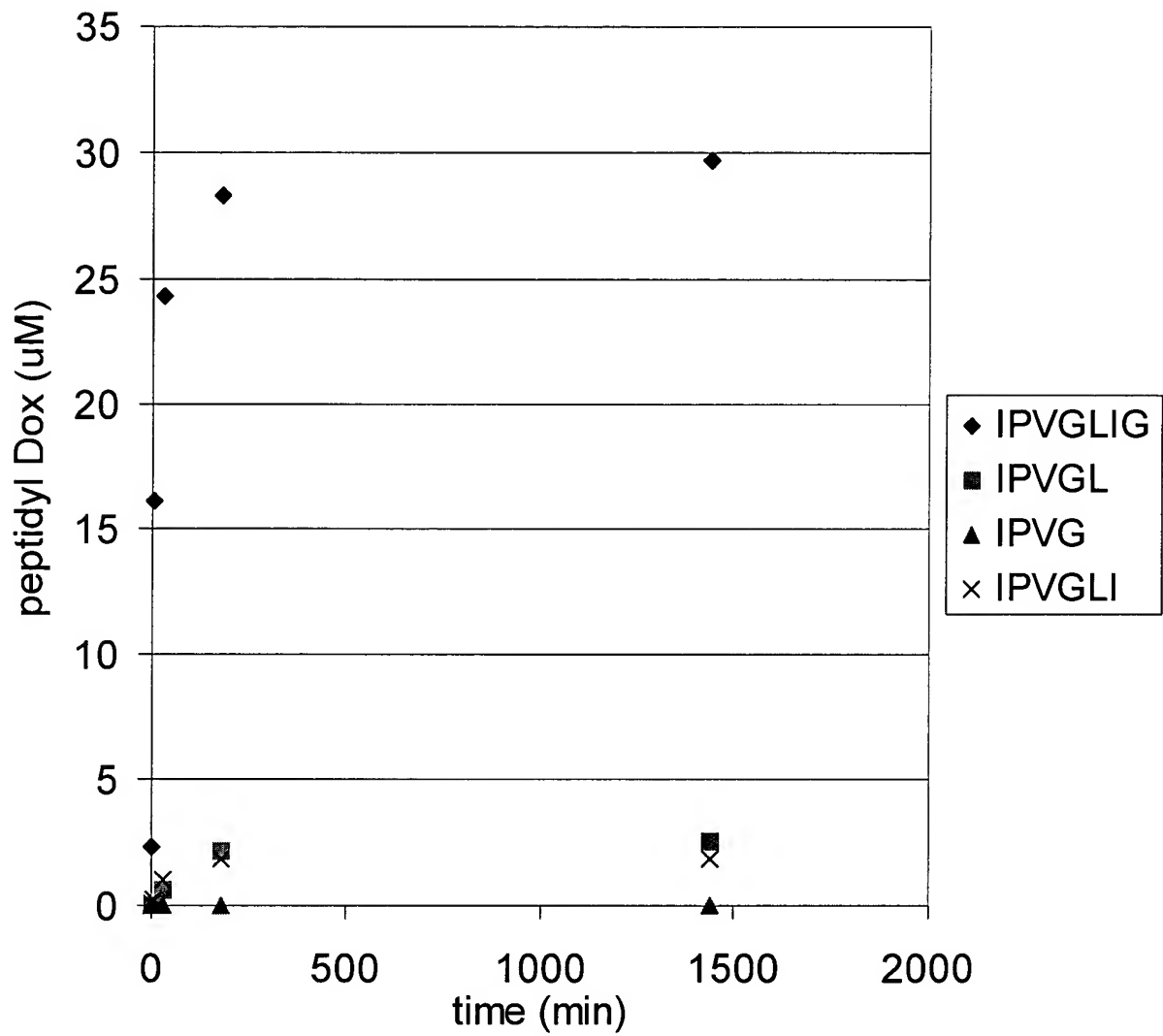


FIGURE 5A

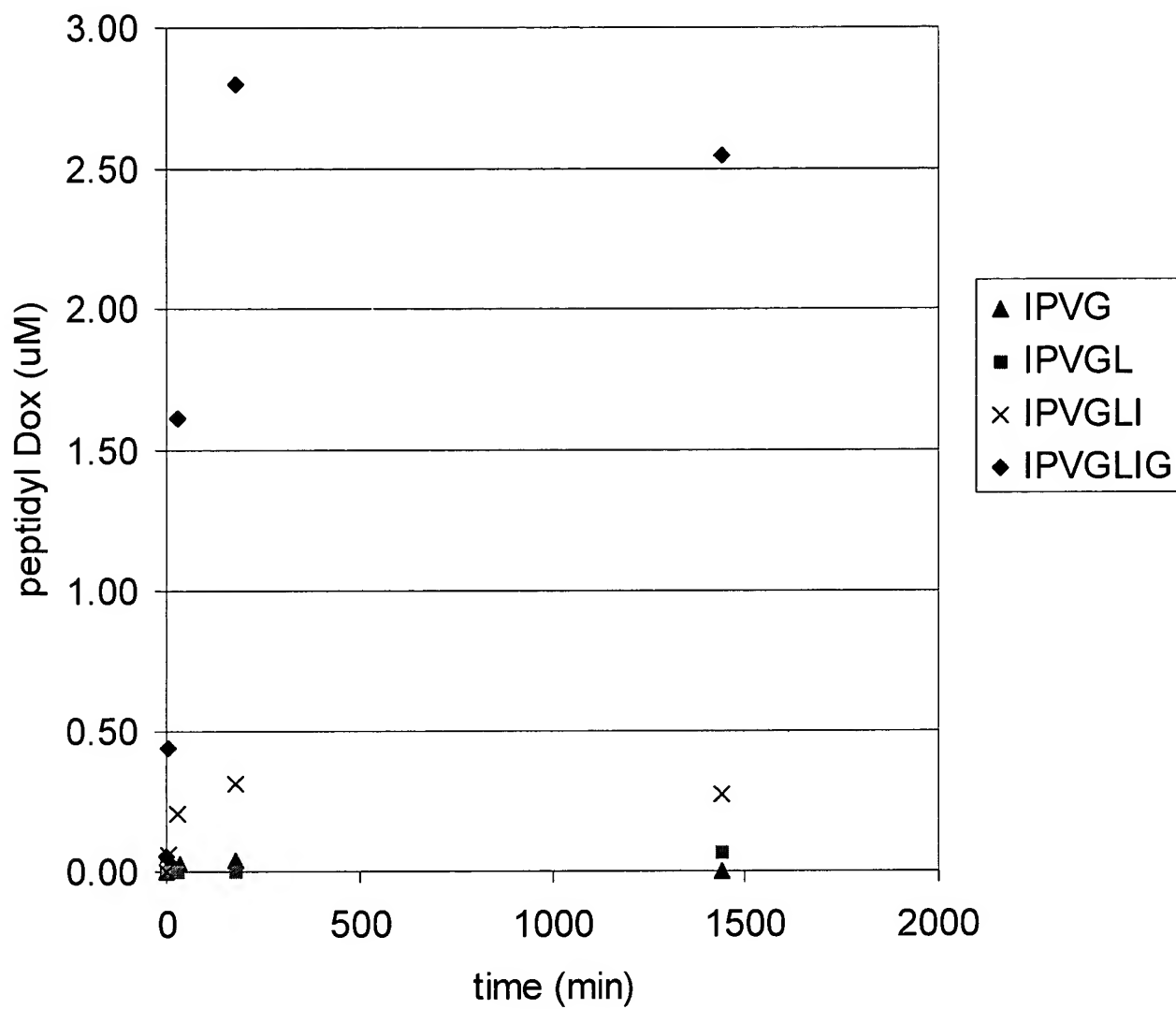


FIGURE 5B

FIGURE 6A (HT-1080)

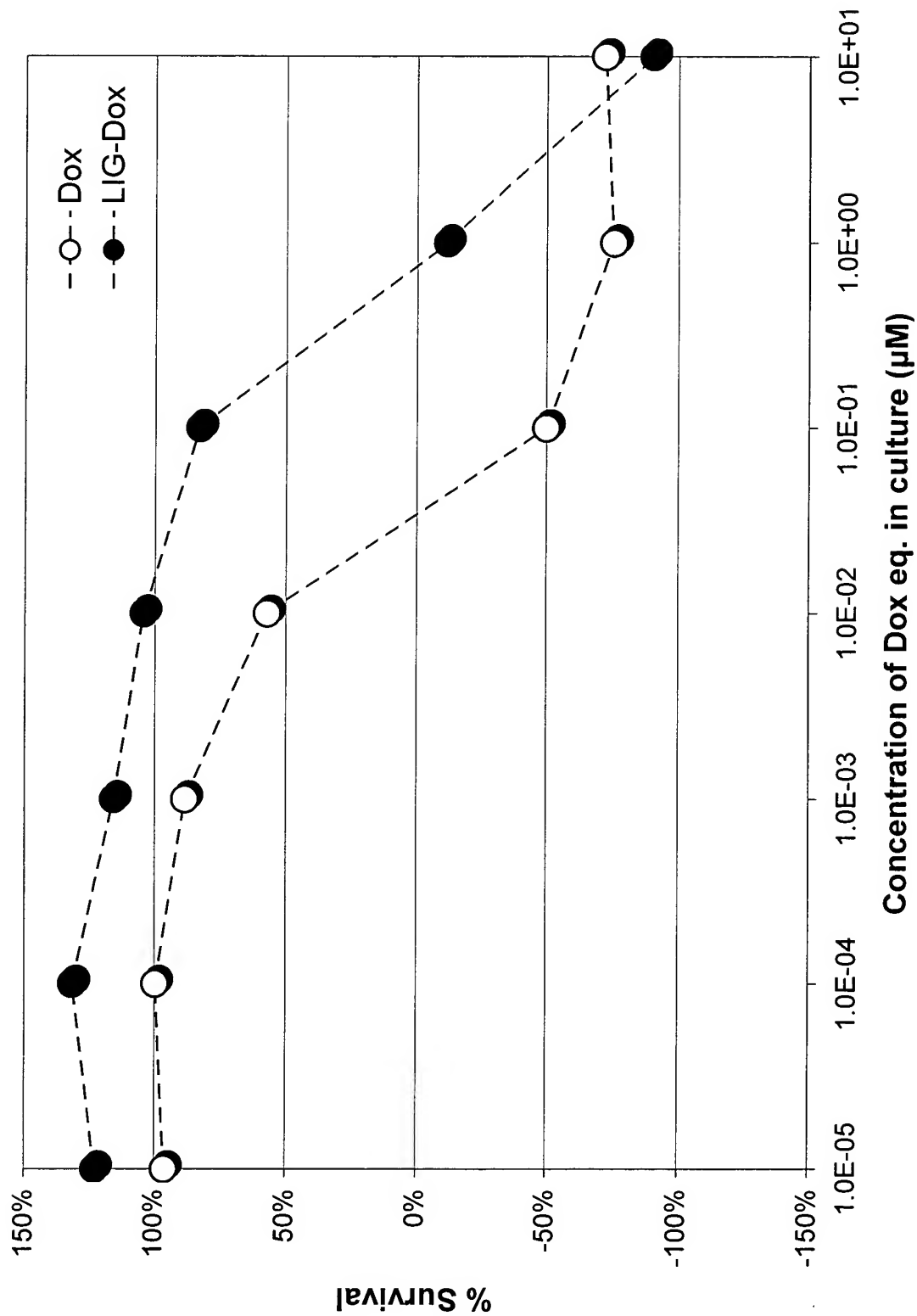


FIGURE 6B (BT-20)

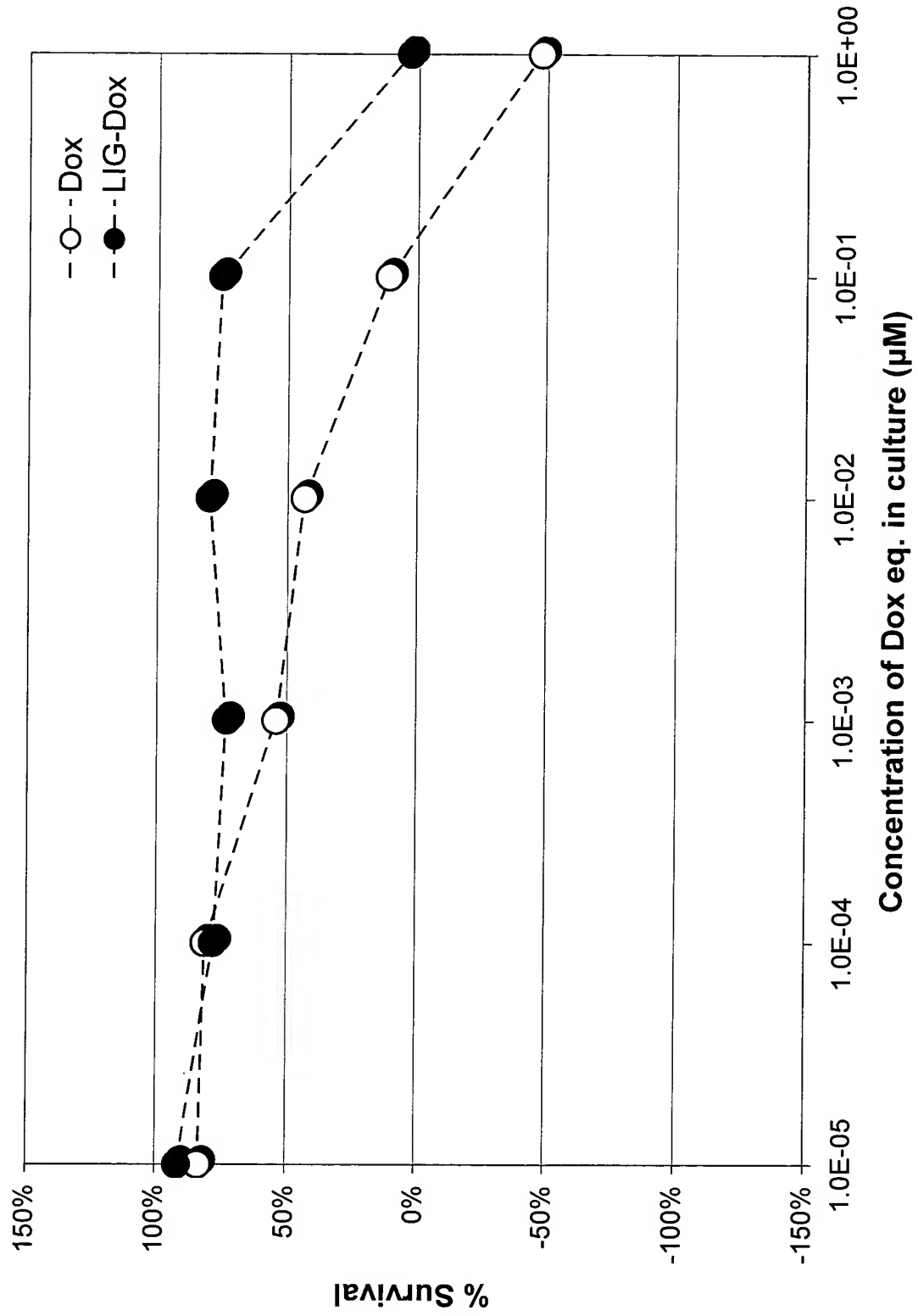


FIGURE 6C (U-87)

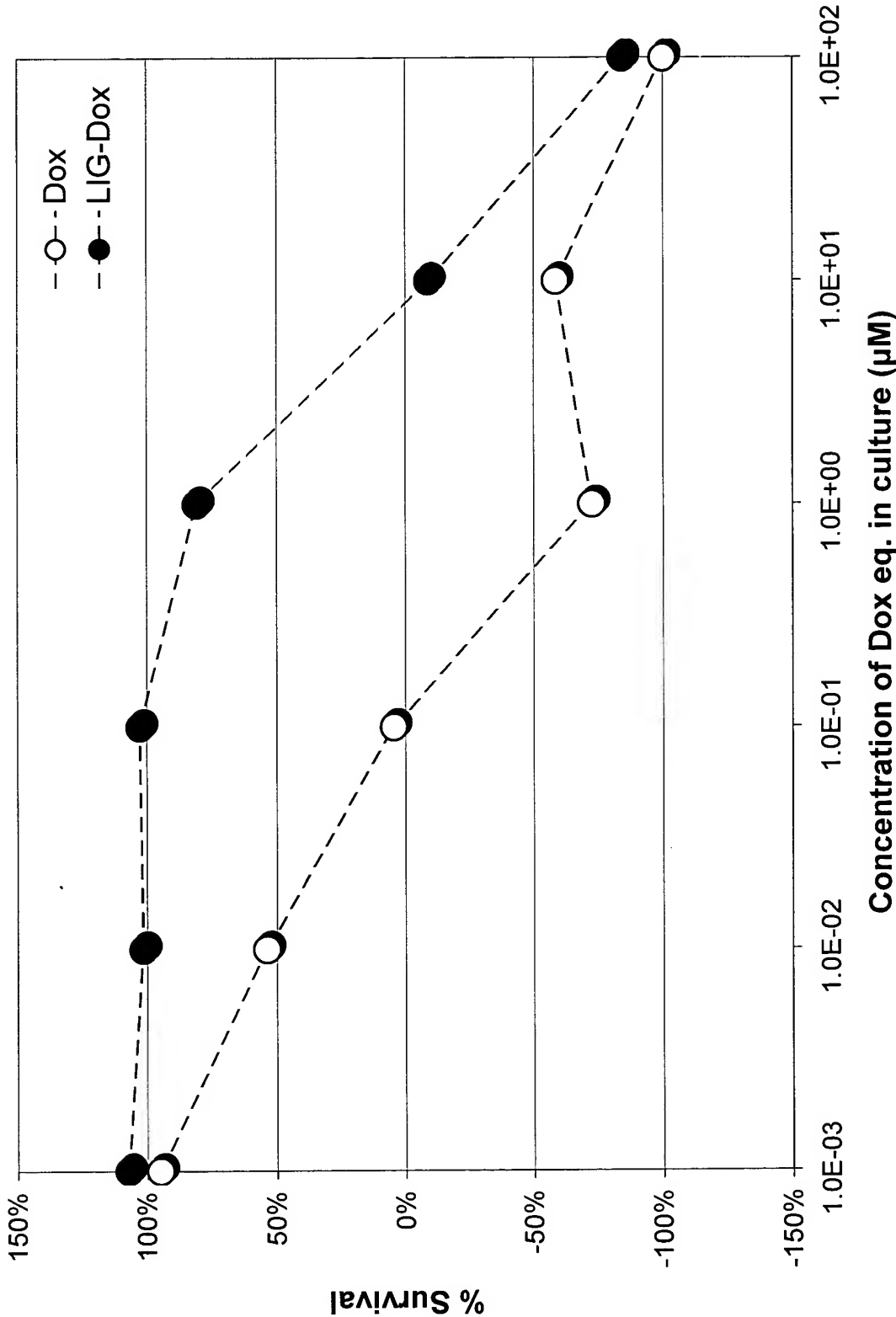


FIGURE 6D (PC-3)

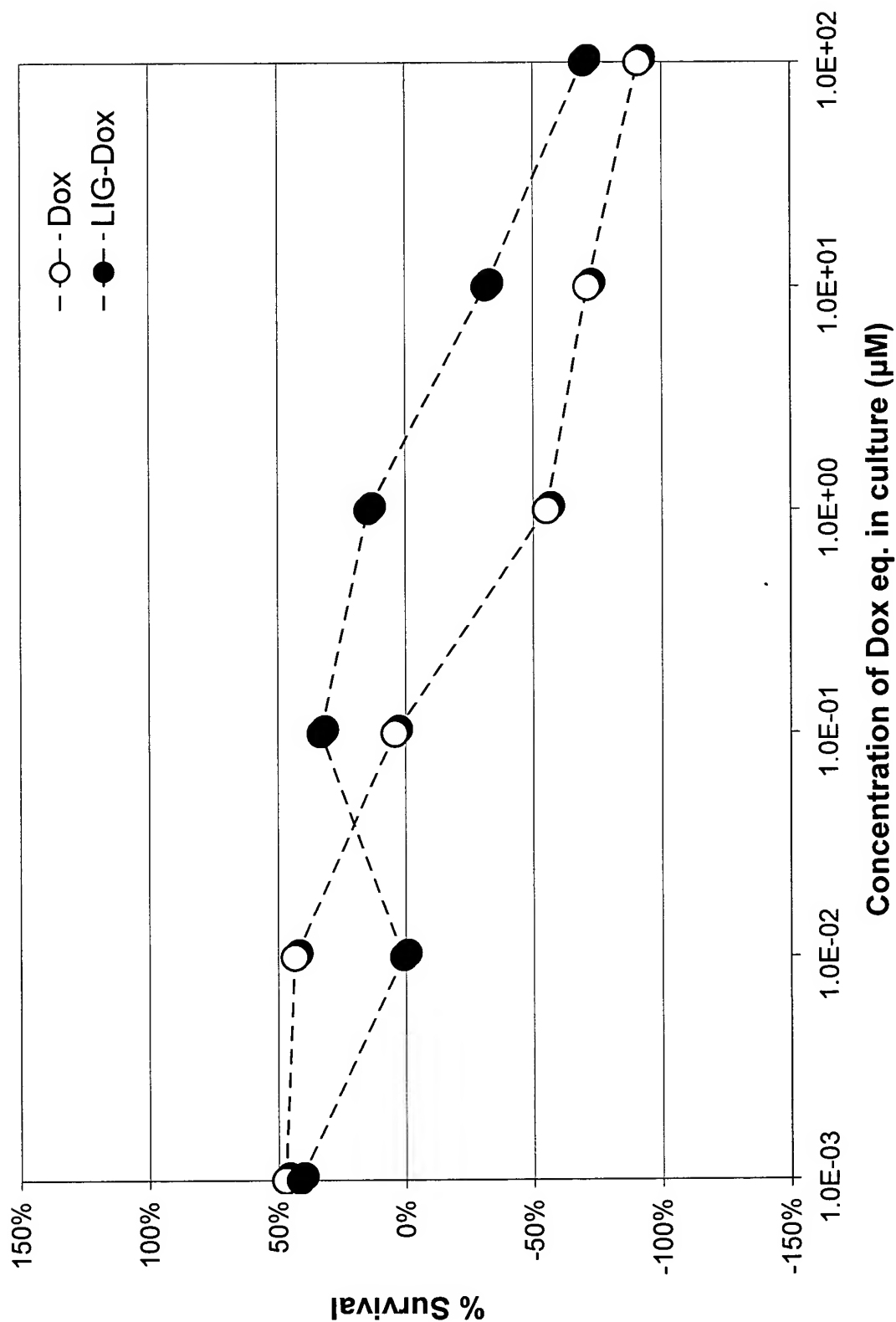


FIGURE 6E (KK-47)

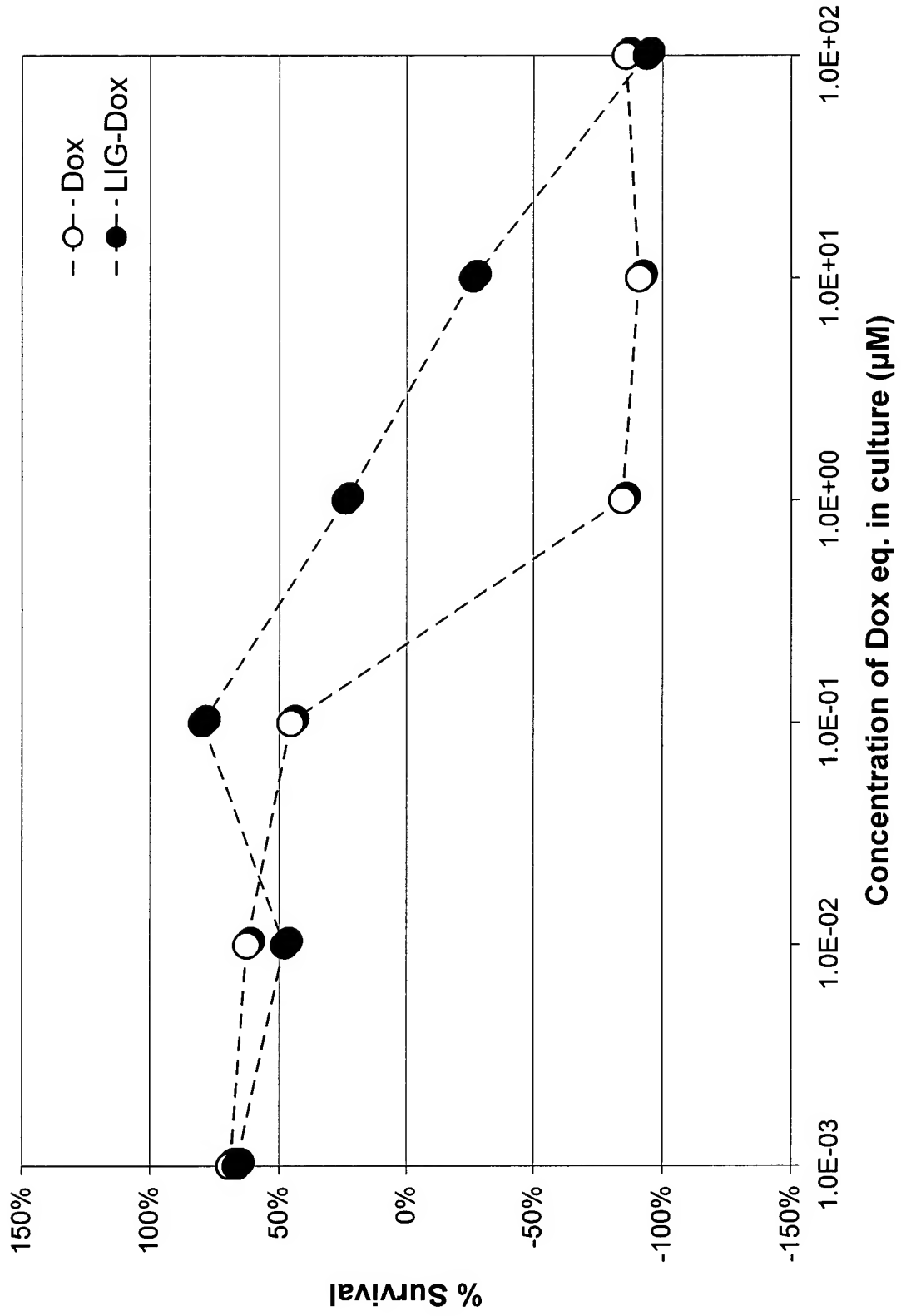
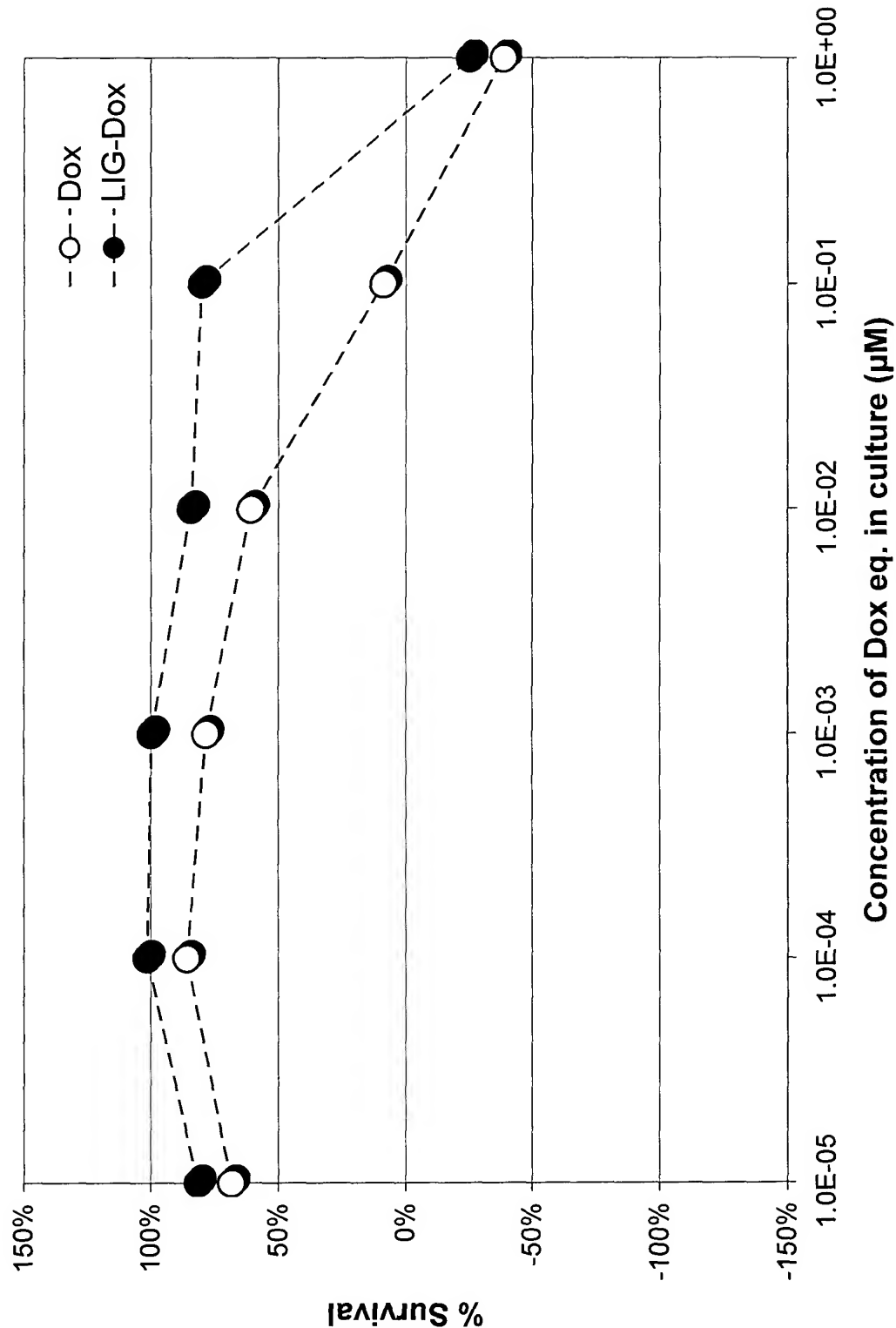


FIGURE 6F (MGH-U1)



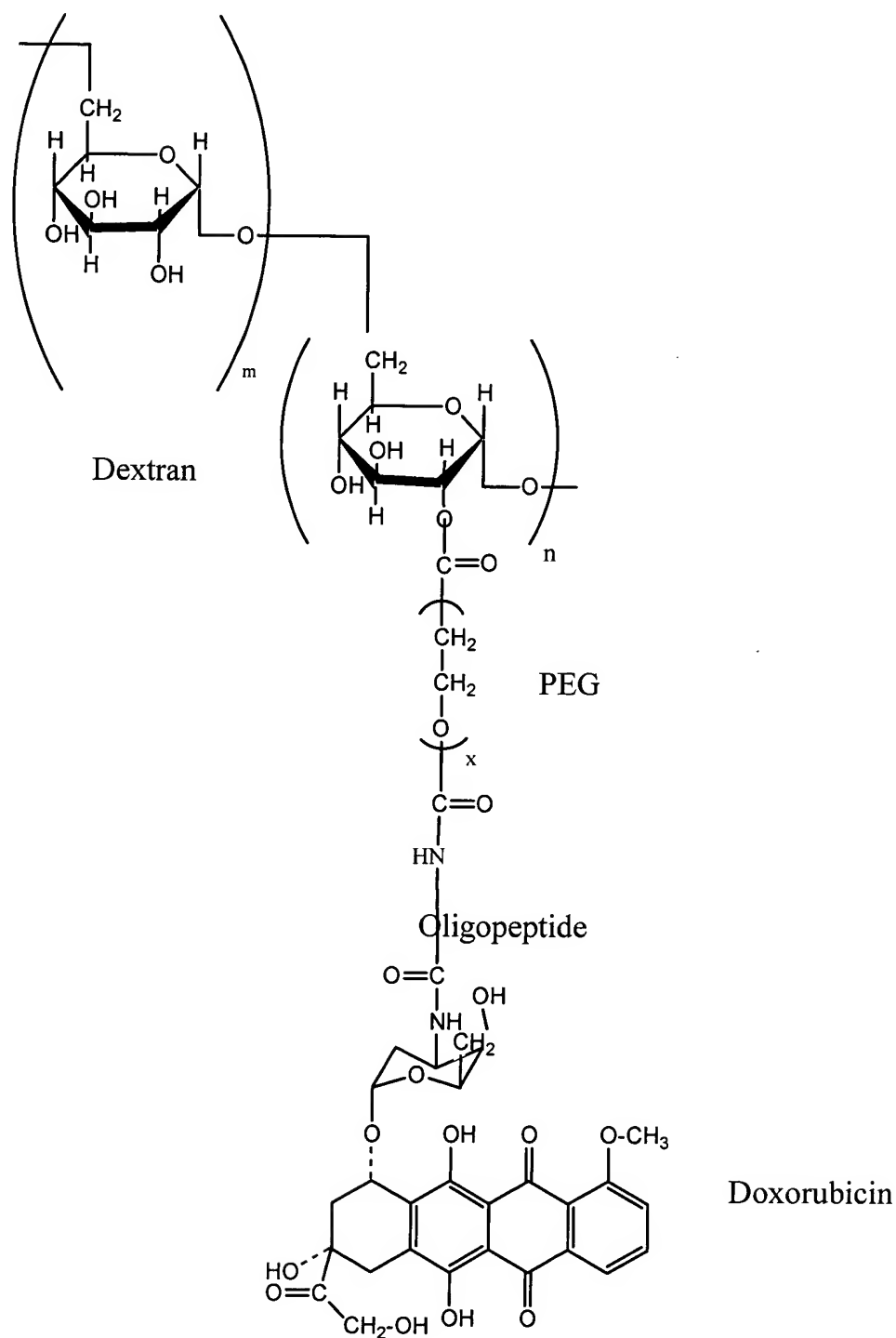


FIGURE 7

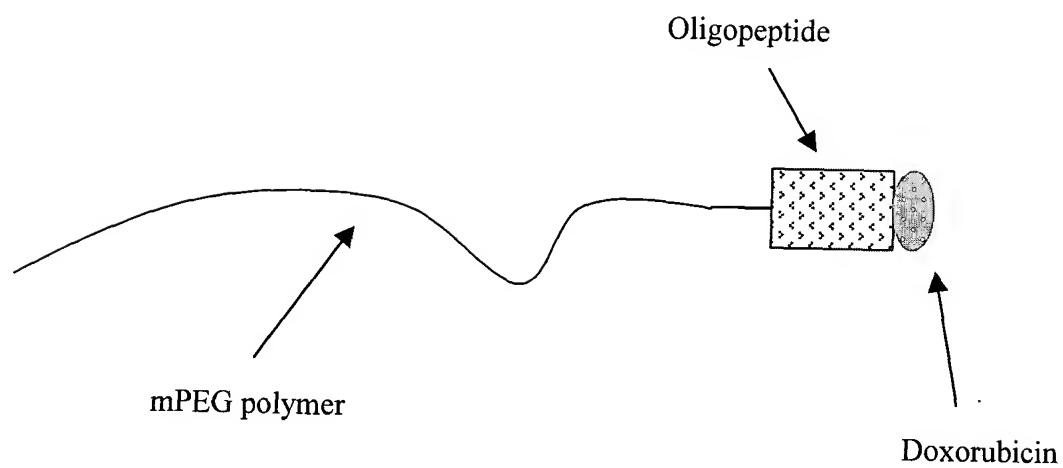


FIGURE 8

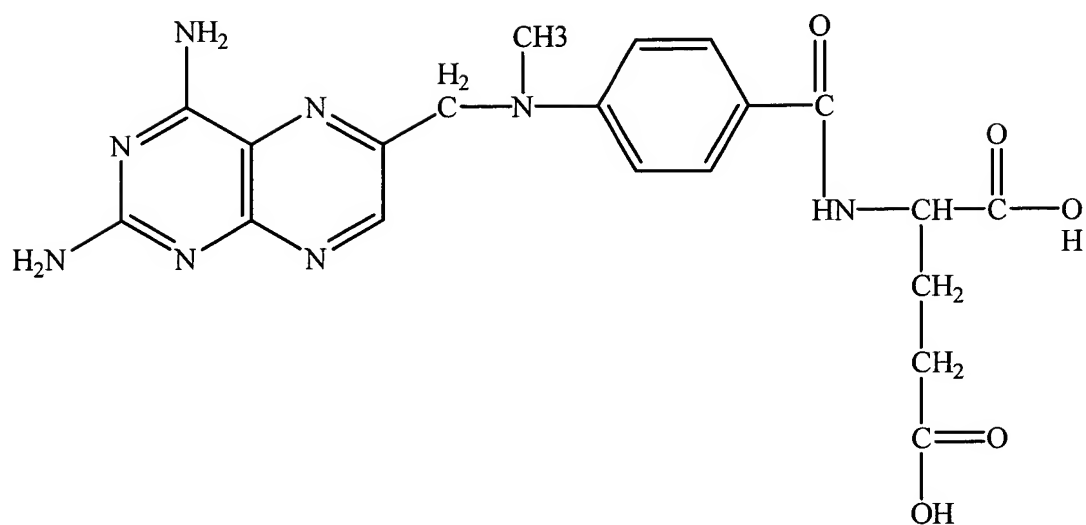


FIGURE 9

FIGURE 10 (HT-1080)

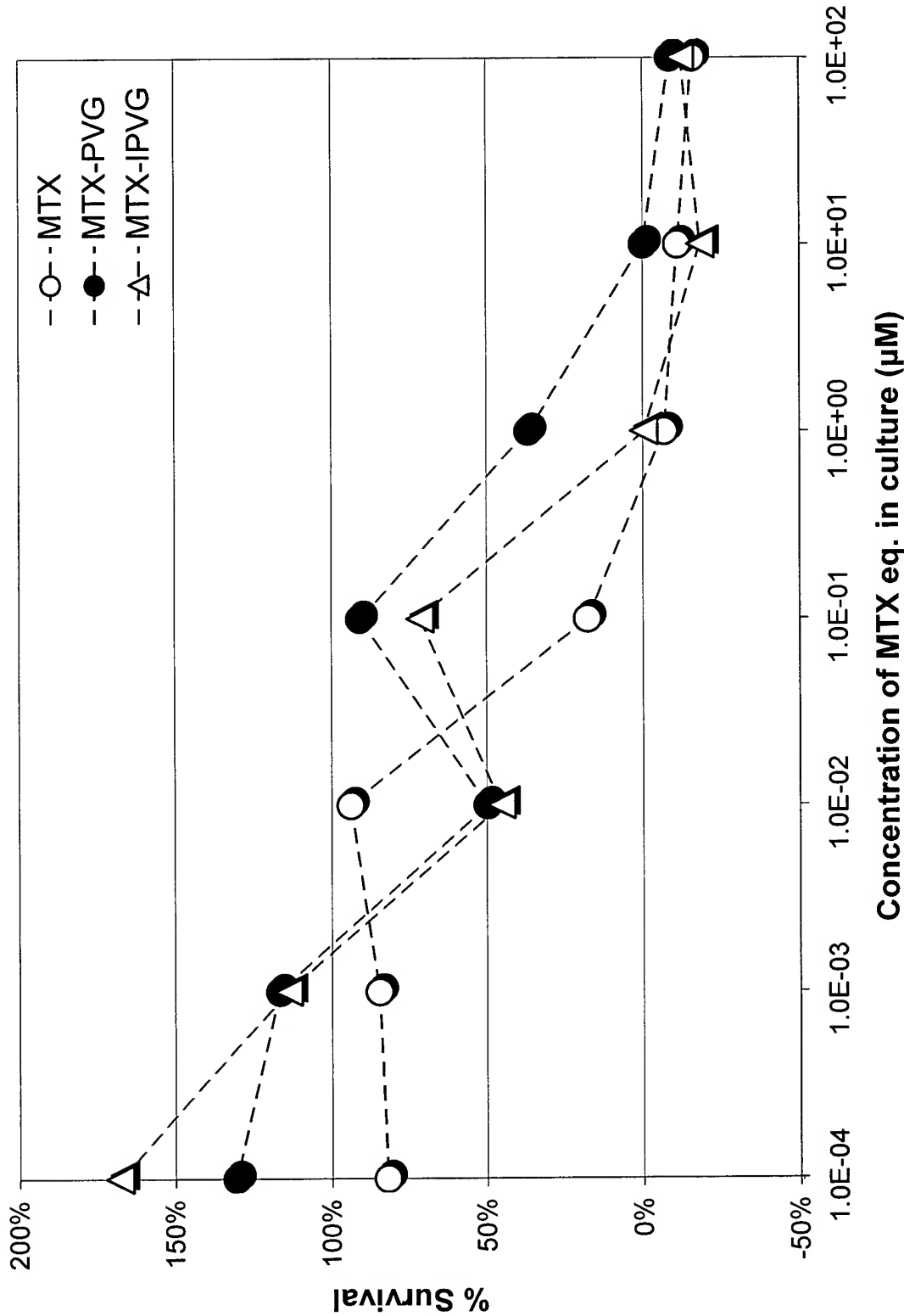


FIGURE 11A (HT-1080)

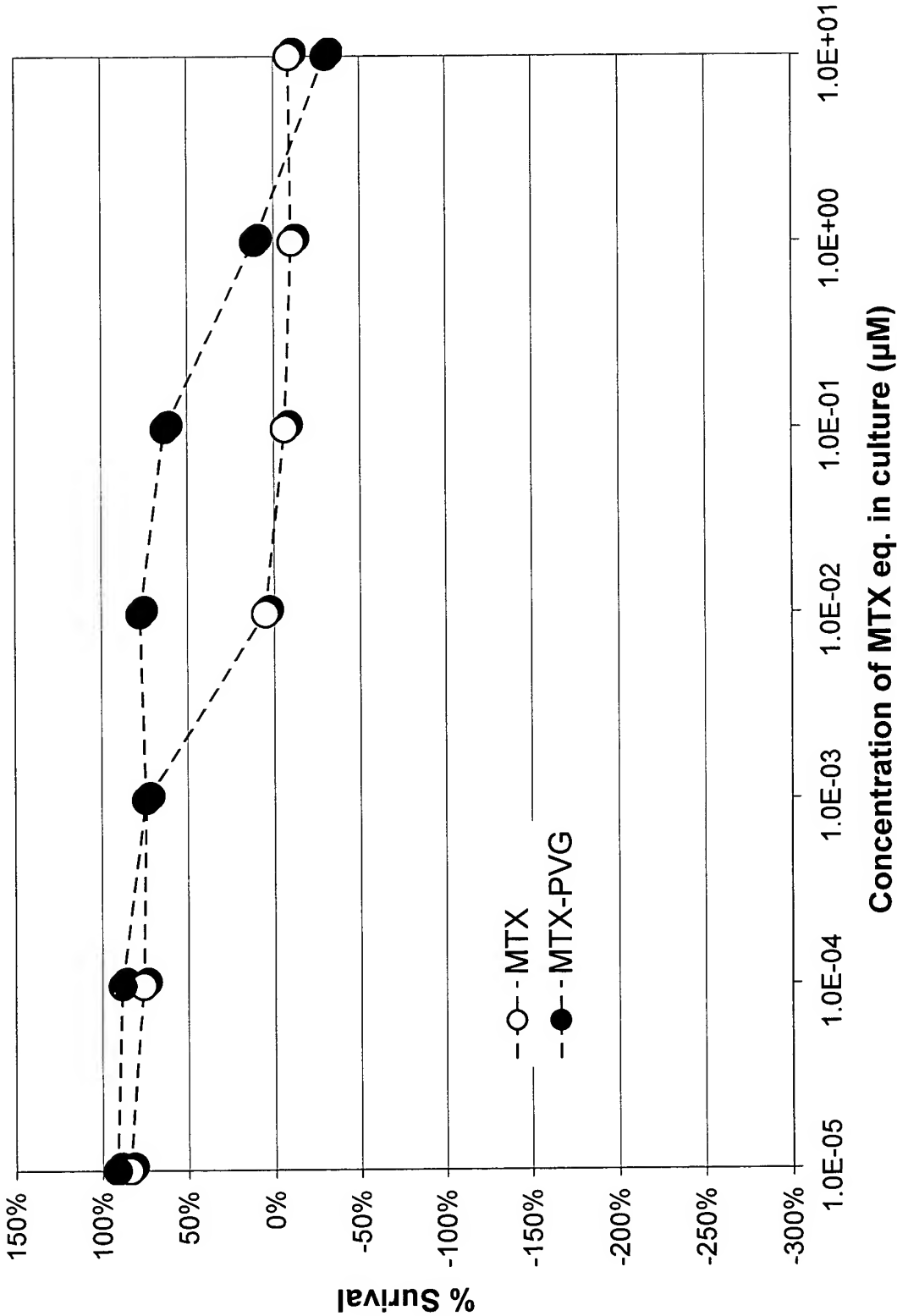


FIGURE 11B (BT-20)

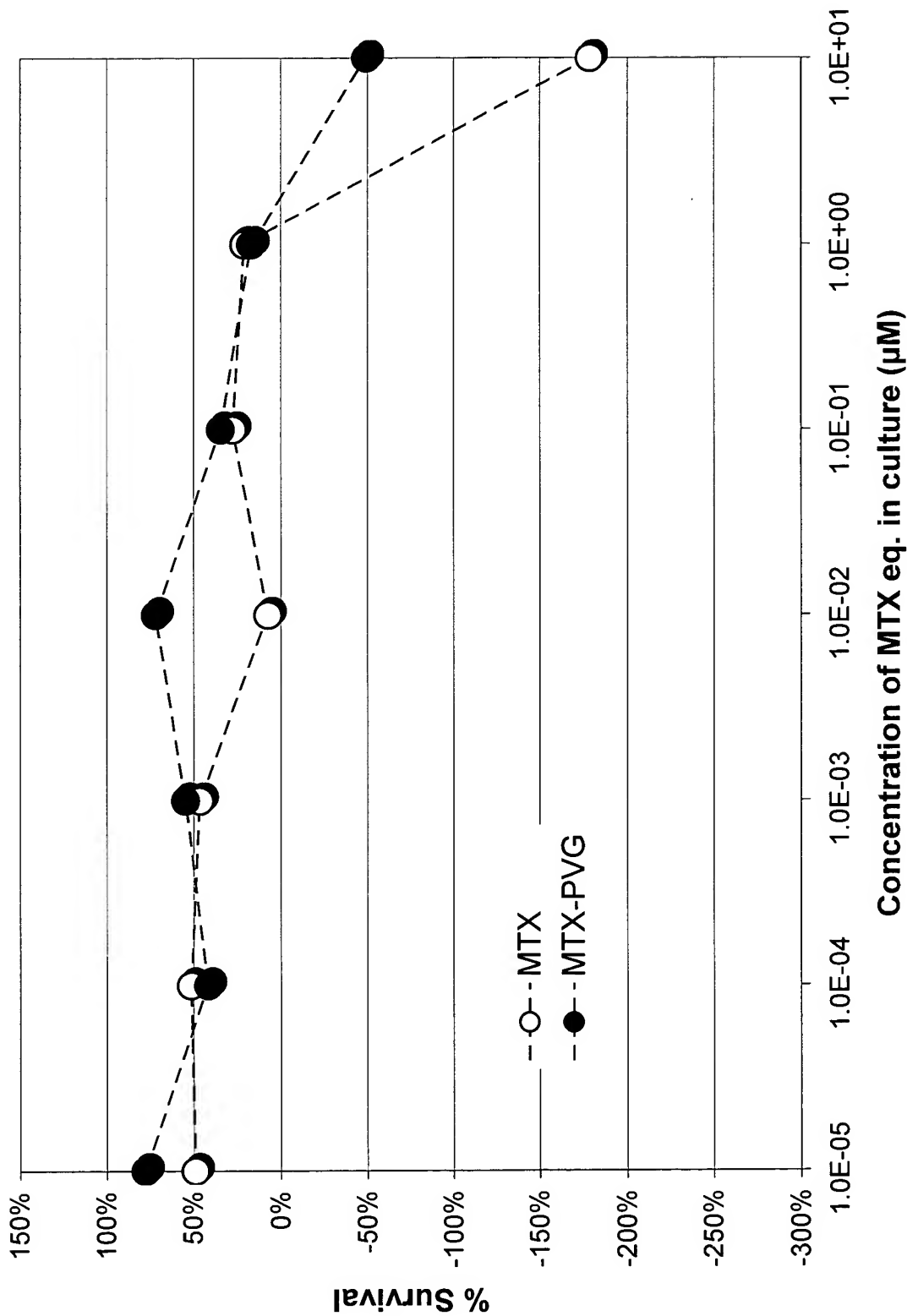
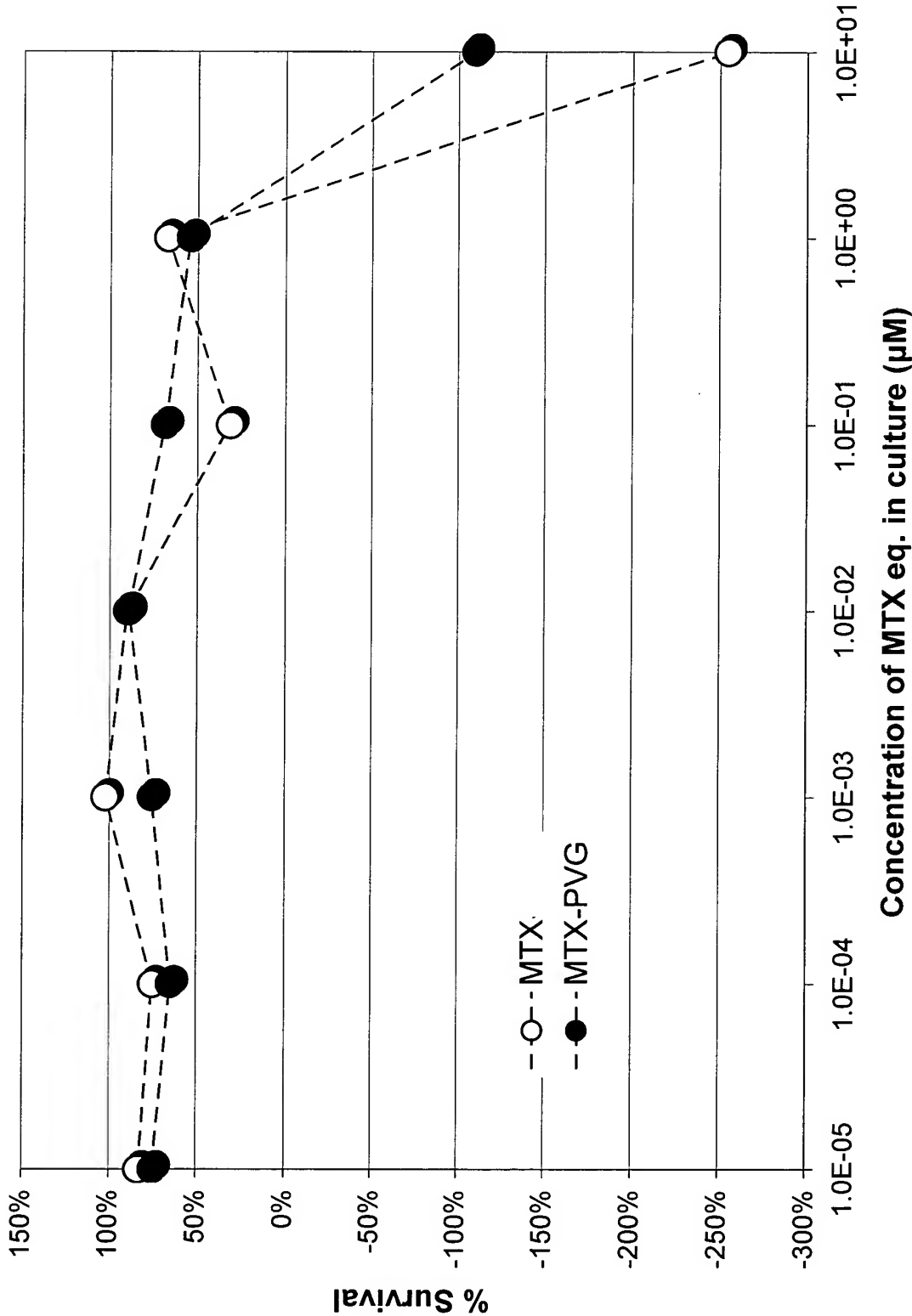
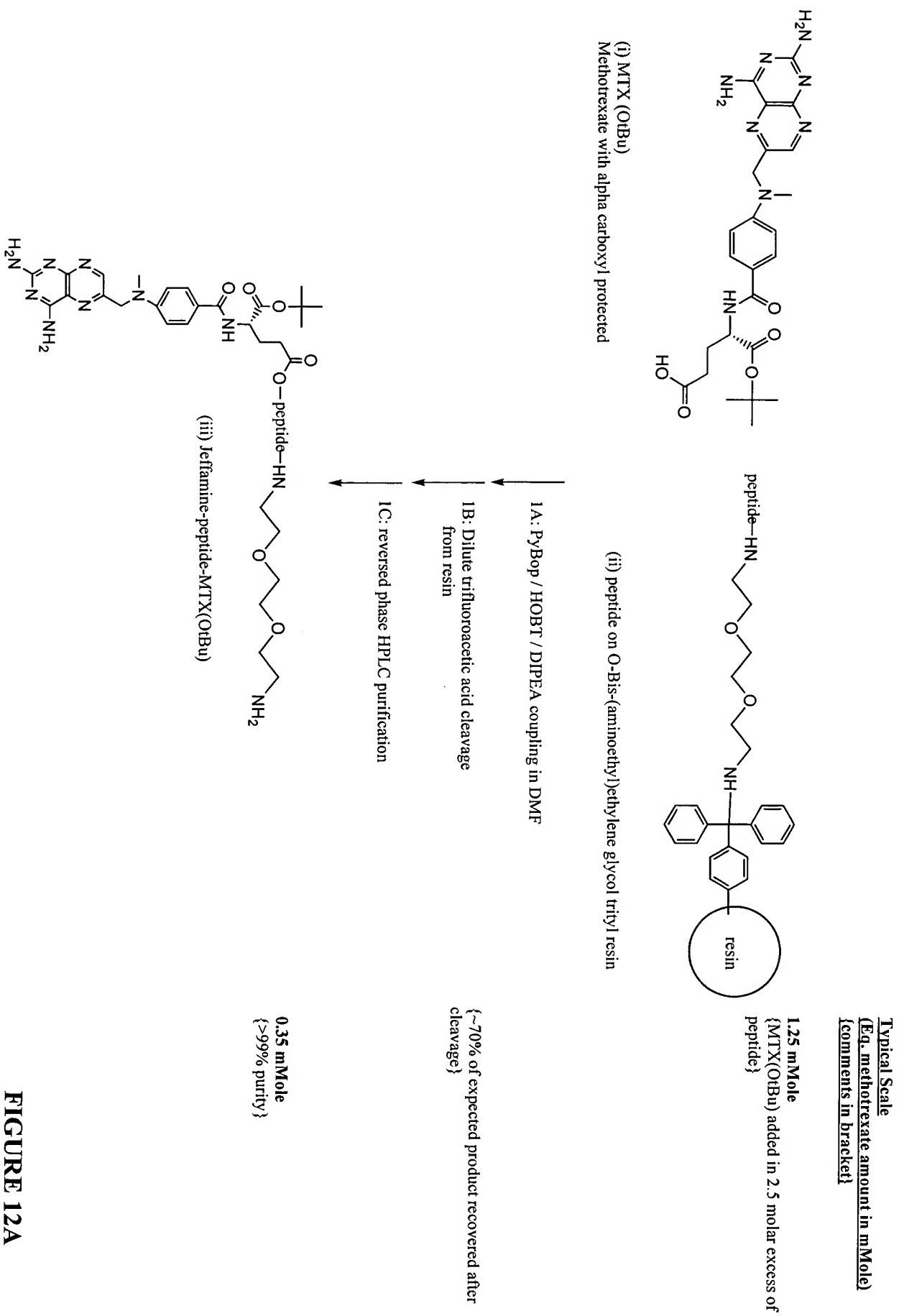


FIGURE 11C (RT-112)





Typical Scale
 (Eq. methotrexate amount in mMole)
 {comments in bracket}

0.35 mMole

(iv) Carboxymethyl dextran (CM-dextran)
 degree of substitution of
 CM groups ~50%
 nominal MW 70,000

{coupling yield ~ 50%}

{ethanolamine to block remaining
 carboxymethyl groups}

{step yield ~80%}

0.14 mMole

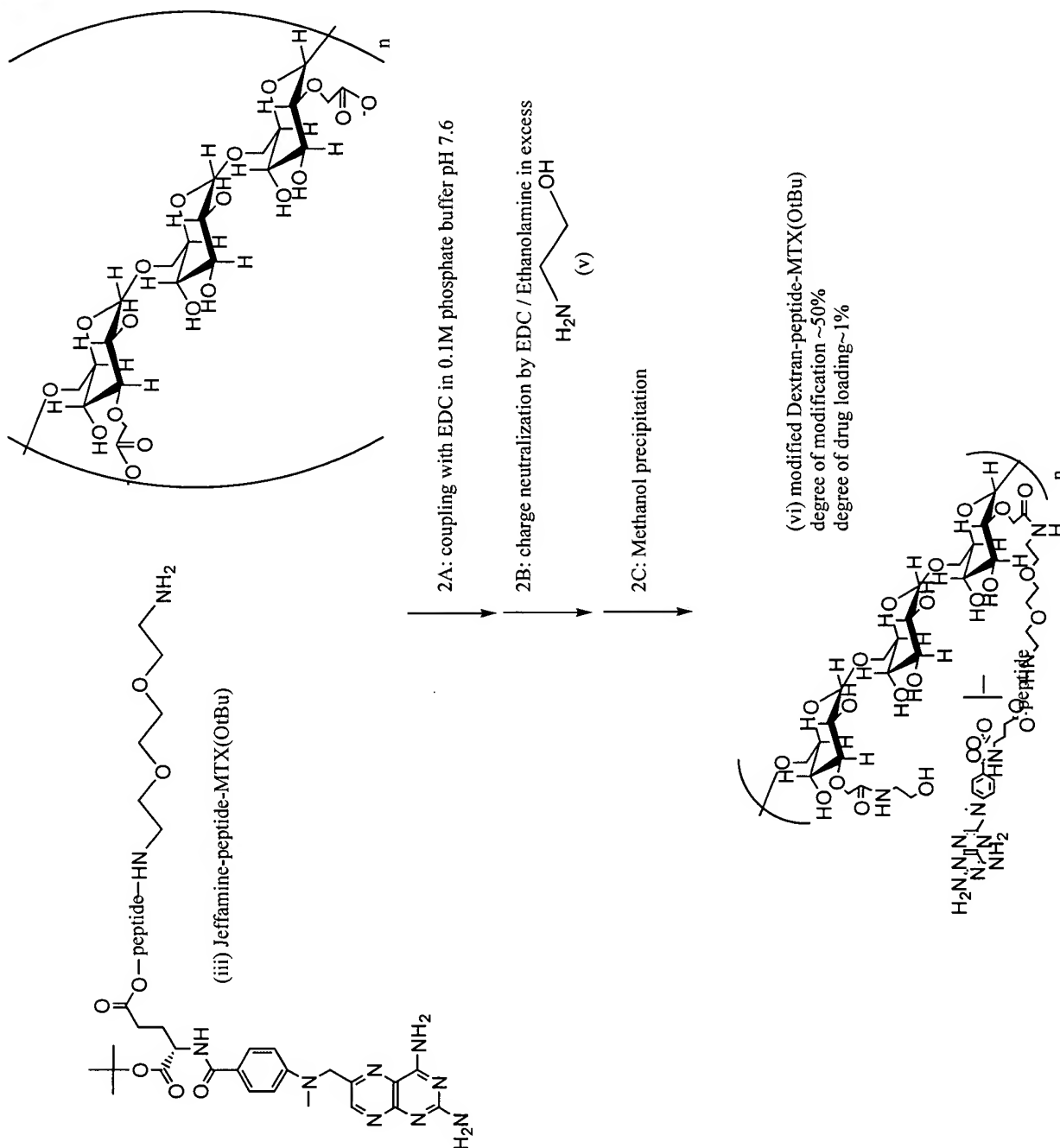
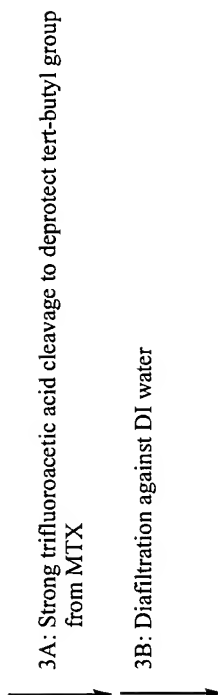
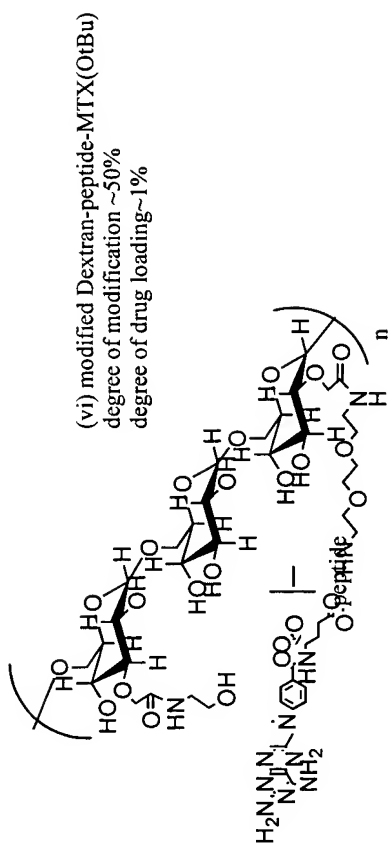


FIGURE 12B

Typical Scale
 (Eq. methotrexate amount in mMole)
 {comments in bracket}

0.14mMole



{step yield ~80%}

0.11 mMole

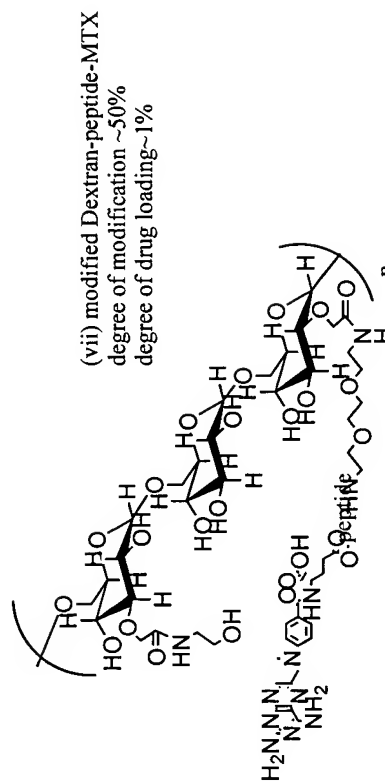


FIGURE 12C

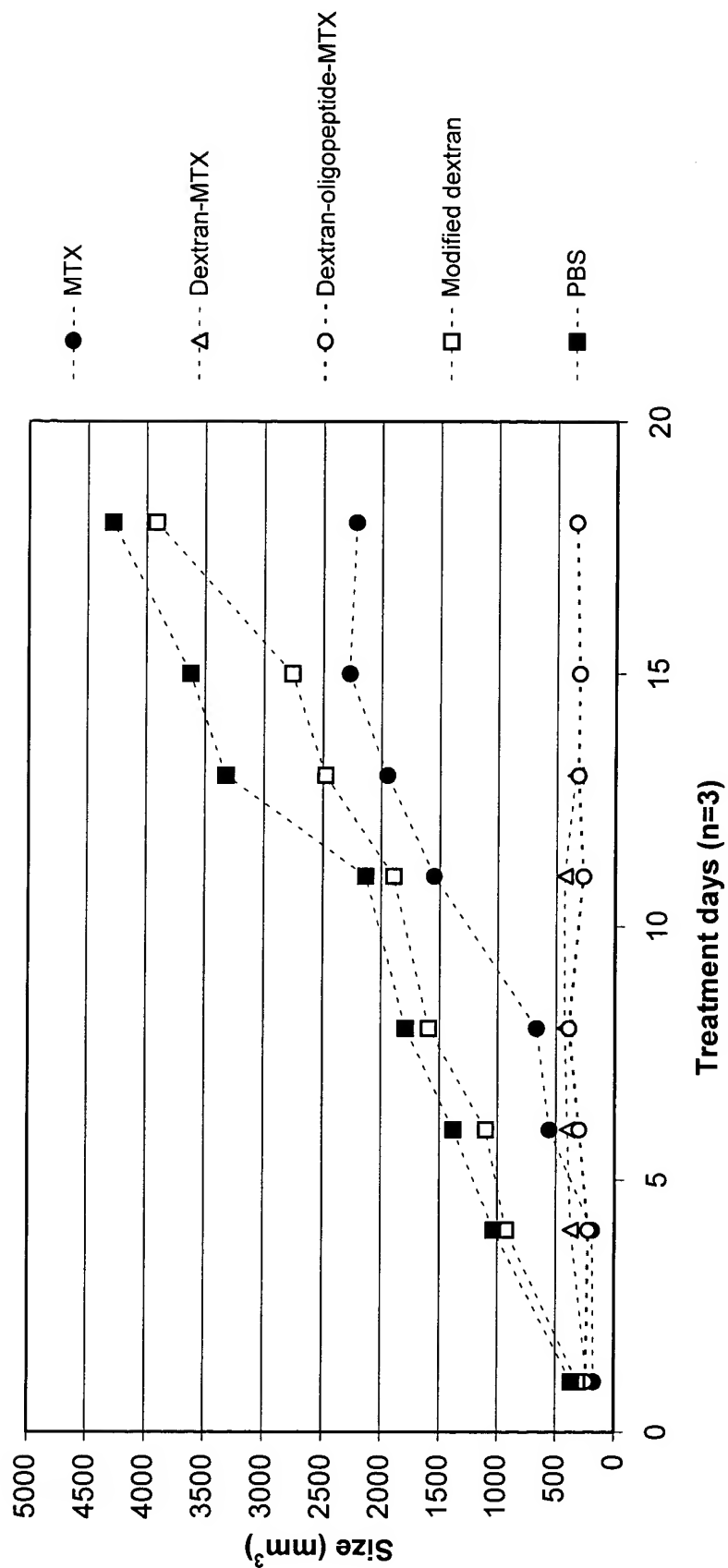


FIGURE 13

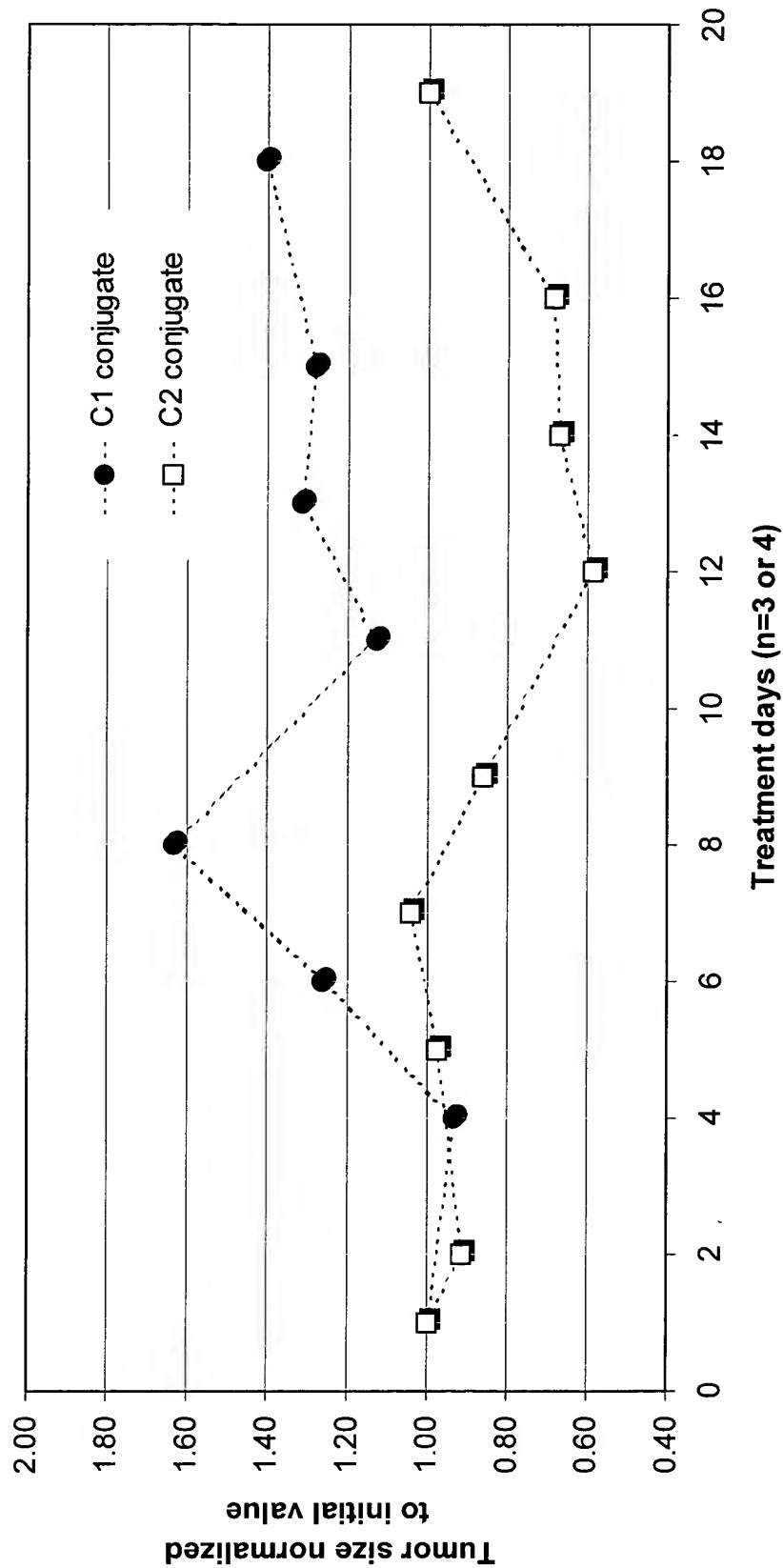


FIGURE 15

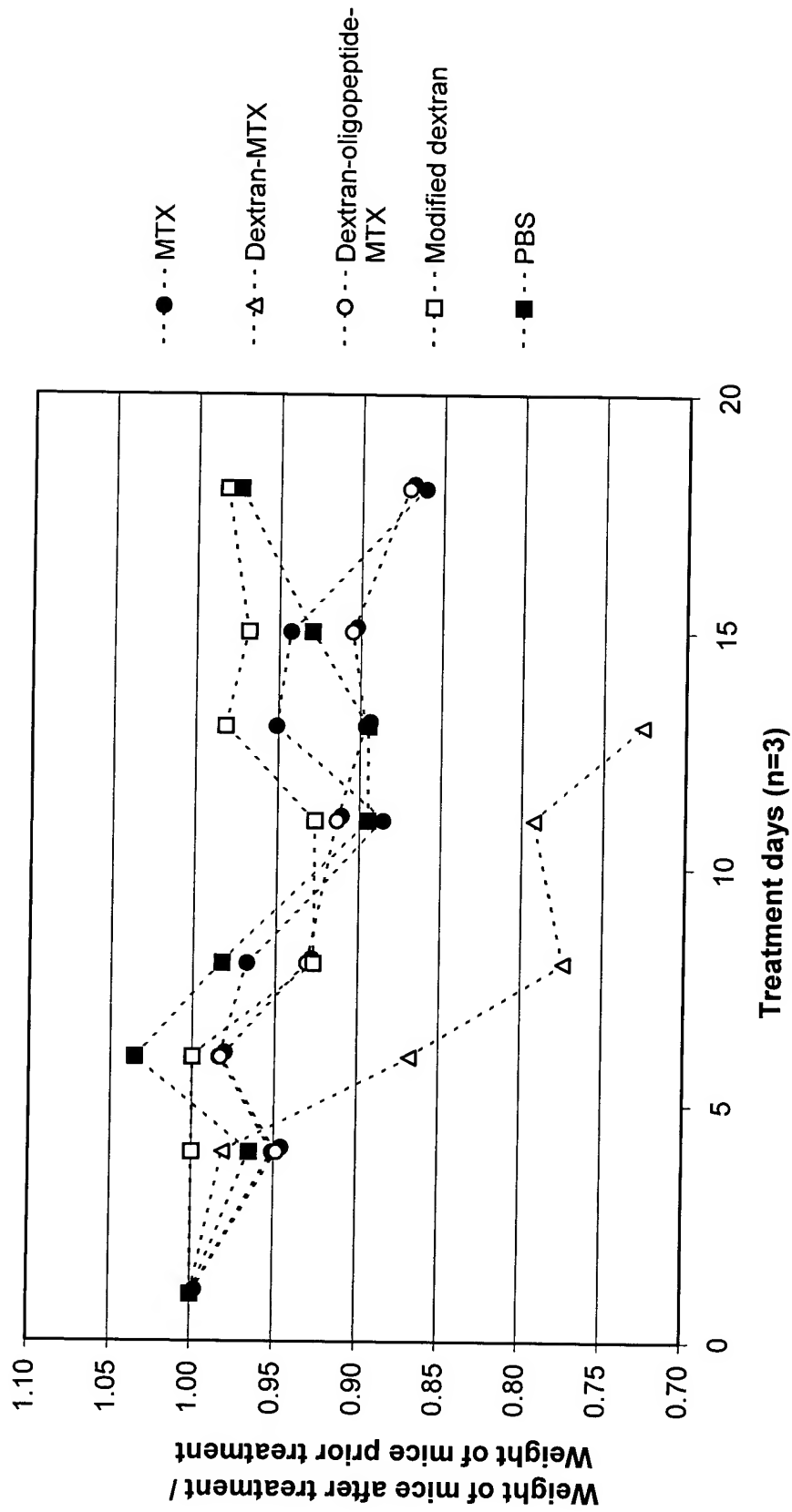


FIGURE 14